



RF Power Source Systems For Accelerators

Supporting Accelerator Engineering by Wave Technology.

Pulse Modulators for Klystron



Features

1. Size: D1m × W1.7m × H1.5m
2. Oil-filled Structure
Pulse transformers is had built in
-High Voltage parts are installed in a oil-filled tank to insulate.
3. Low Noise
-Installed in the sealed oil tank to be Low Noise.

High Pulse Repetition Rate

Charging Voltage: 20kV
Pulse Repetition Rate: 300Hz
Pulse Width (100%): 18 μs
Pulse Current: 98A
Pulse Voltage: 135kV

Compact Size, Low Noise

Charging Voltage: 50kV
Pulse Repetition Rate: 60Hz
Pulse Width (100%): 2.5 μs
Pulse Current: 311A
Pulse Voltage: 350kV

LLRF Systems S-Band

High Speed Response, High Stability And High Accuracy

PHASE DETECTOR

- Accuracy of absolute phase detect. Within 2°
Test signal power when -15~0dBm
- High-Resolution Within 0.2°
- Output rise time 80nS
Superior response to high speed pulse



KLYSTRON DRIVING AMPLIFIER

- Stability of phase
Within ±3° at flat top in pulse
Within ±0.5° between each pulse
- Frequency 2856MHz
- Output Power 200W~1.2kW
Custom spec, is acceptable



AMPLITUDE & PHASE FEED BACK CIRCUIT

